

S.S.I. HDPE Manhole Insert Specifications

SPECIFICATIONS

- The dish is made of an ultra high density polyethylene copolymer material that meets ASTM specifications designation D1248, Class A, Category 5, Type 111 with a minimum impact brittleness temperature of <-131° F. The thickness shall be uniform .187 mils (3/16"). Dish size is custom to fit the casting frame and lid. This material is corrosion proof from all gases associated with waste water collection systems.
- The lift strap is made of a woven polypropylene web and is attached to the bowl of the dish by a wide head stainless steel rivet and a stainless steel 3/4" backup washer. All cut edges are seared to insure against raveling.
- Ventilation is provided by a 1/8" vent hole and/or a valve located on the side of the bowl. The hole or valve allows a maximum release of 10 gallons of water per 24 hours and is not affected by debris that might collect in the bottom of the dish. Sewer gas is vented at one P.S.I. or less.
- A neoprene gasket is provided if required. The gasket is 1/8" thick by 5/8" wide.

BENEFITS

- 5 year warranty on the body of the dish.
- Ventilation by valve or vent hole.
- Manufactured of ultra high density, extra high molecular weight polyethylene. (Marlex HXM 50100)
- Brittleness temperature to a <-131° Fahrenheit

MARLEX HXM 50100

EXTRA HIGH MOLECULAR WEIGHT HEXENE COPOLYMER

CUSTOMER BENEFITS

- An excellent balance of stress cracking resistance, stiffness and melt strength make this resin an ideal candidate for large blow molded items and thermoformed parts.
- This resin has good melt strength and produces molded parts with excellent stress cracking resistance, good rigidity and excellent impact strength even at low temperatures.

NORMAL PHYSICAL PROPERTIES

Property	ASTM	ENGLISH		METRIC	
		UNITS	VALUE	UNITS	VALUE
Density	D1505	lbs/ft3	59	g/cc	0.949
ESCR, Condition A, F 50	D1693	h	600	h	600
Tensile Strength 2" (50.8mm) per min	D638 Type IV	psi	3600	MPa	25
Brittleness Temperature	D746	Degrees F	<-131	Degrees C	<-91

Sealing Systems, Inc.